CLAIMS

1.	A temperature controlled food container
comprising:	
	an inner portion having sidewalls and an opening for the receipt of food;
	an outer portion having sidewalls spaced from said inner portion;
	a eutectic gel, disposed between said inner and outer portions;
	a ledge extending from the periphery of said outer portion;
	a flange extending from the periphery of said inner portion adapted for seating against said ledge; and,
	an ultrasonic bond joining said ledge to said flange of said inner portion.
2. comprising:	The food container as claimed in Claim 1 further
	ribs along the sidewalls of said inner portion.

3.	The food container as claimed in Claim 1 further
comprising:	
	ribs along the sidewalls of said outer portion.
4	TI C. I contain an archive die Claim I foutbon
4. comprising:	The food container as claimed in Claim 1 further
comprising.	
	ribs along the sidewalls of said inner and outer portions, which extend
	sufficiently to provide displacement between said inner and outer portions.
5.	The food container as claimed in Claim 1 further
comprising:	
	abannals and ridges formed an said ladge or said flange for respective
	channels and ridges formed on said ledge or said flange for respective engagement with each other.
	ongagement with each other.
6.	The food container as claimed in Claim 5 further
comprising:	
	said channels are formed on said ledge for receipt of said ridges formed on
	said flange.

7. The food container as claimed in Claim 5 further comprising:

said channels are formed with enlarged segments, which extend beyond the cross-sectional dimension of a respective peripheral rib received therein.

8. The food container as claimed in Claim 1 further comprising:

an indentation forming a step at the base of the outer portion which can be seated at least partially into the inner portion opening.

9. A food container

comprising:

an outer shell portion having a ledge extending from a wall of said shell;

an inner shell portion having a flange extending from a wall of said shell;

a eutectic gel disposed between said shell portions; said ledge and flange adapted to be seated against each other; a channel or a protuberance respectively formed on said ledge or said flange for receipt and engagement of said flange by said channel; and,

an ultrasonic bond formed between said flange and said ledge.

10. The food container as claimed in Claim 9 further

comprising:

said ultrasonic bond is formed at least in part between said channel and said protuberance.

11. The food container as claimed in Claim 10 further

comprising:

said channel has enlarged portions, which are larger in cross-section than said protuberances to provide for expansion during an ultrasonic bond.

12. The food container as claimed in Claim 11 further

comprising:

ribs on at least said inner or outer shell portions between said shells portions.

13. The food container as claimed in Claim 9 further

comprising:	
	said outer shell portion has a step on the base thereof for resting at least partially within said inner shell portion.
14. comprising:	The food container as claimed in Claim 9 further
	said channel is formed on said ledge; and,
	said protuberance is formed on said flange.
15. comprising:	The food container as claimed in Claim 14 further
	said channel is one of a plurality formed on said ledge; and,
	said protuberance is one of a plurality formed on said flange.
16. comprising:	A process for making a food container

molding an outer walled shell of plastic;

molding an inner walled shell of plastic;

forming said outer walled shell with a ledge while molding said shell;

forming a flange of said inner walled shell while molding said shell;

filling said outer walled shell partially with a eutectic gel;

Implacing said inner walled shell interiorly of said outer walled shell while displacing a portion of said eutectic gel between the walls of said inner and outer shells; and,

ultrasonically welding said inner and outer walled shells between their respective ledge and flange.

17. The process as claimed in Claim 16 further comprising:

forming a channel or a protuberance on said ledge or said flange during molding.

18. The process as claimed in Claim 17 further comprising:

flowing a portion of said flange into said channel during the welding process.

19. The process as claimed in Claim 18 further comprising:

forming said channel with an enlargement when molding it with a portion larger than the protuberance placed therein, and,

allowing flow during the welding process of said protuberance into said enlargement.

20. A method for making a food service container comprising:

molding an outer walled shell portion having a ledge with at least one peripheral groove;

	least one peripheral land;
	flowing a eutectic gel into said outer walled shell;
	displacing said gel by said inner walled shell portion to place eutectic gel between the walls of said shells;
	indexing said peripheral land into said peripheral groove; and,
	ultrasonically causing said peripheral land to be bonded within said groove.
21. comprising:	The method as claimed in Claim 20 further
	forming gaps in said groove larger than the cross-section of said land; and,
	flowing a portion of said land into said gaps.
22. comprising:	The method as claimed in Claim 21 further

molding an inner walled shell portion having a peripheral flange with at

driving a portion of said land against a sidewall of said groove while ultrasonically bonding said inner and outer shell portions.

23. A food container for providing temperature variances from the ambient comprising:

a plastic outer shell having a peripheral ledge;

a plastic inner shell formed with a peripheral flange;

a peripheral channel or a peripheral protuberance formed on said ledge or said flange for respective engagement with each other;

a eutectic gel disposed between said shells; and,

an ultrasonic bond formed between said ledge and said flange.

24. The food container as claimed in Claim 23 further comprising:

said outer shell formed with a step for nesting at least partially into said inner shell.

25. The food container as claimed in Claim 23 further comprising:

said channels and said peripheral protuberances are indexed into each other and welded substantially to each other.